

# Permit to Operate

**FACILITY:** N-3233

**EXPIRATION DATE:** 11/30/200

**LEGAL OWNER OR OPERATOR:** MID - ATTN. G. E. SALYER

**MAILING ADDRESS:** P O BOX 4060  
MODESTO, CA 95352

**FACILITY LOCATION:** 920 WOODLAND AVENUE  
MODESTO, CA 95351

**FACILITY DESCRIPTION:**

The Facility to Operate may include Facility-wide Requirements as well as requirements that apply to specific permit units.

The Permit to Operate remains valid through the permit expiration date listed above, subject to payment of annual permit fees and compliance with permit conditions and all applicable local, state, and federal regulations. This permit is valid only at the location specified above, and becomes void upon any transfer of ownership or location. Any modification of the equipment or operation, as defined in District Rule 2201, will require prior District approval. This permit shall be posted as prescribed in District Rule 2010.

**DAVID L. CROW**

Executive Director / APCO

**Seyed Sadredin**

Director of Permit Services

**Initial TV Permit**

**San Joaquin Valley**  
**Air Pollution Control District**

**PERMIT UNIT:** N-3233-0-1

**EXPIRATION DATE:** 11/30/2004

**EQUIPMENT DESCRIPTION:**

**PERMIT UNIT REQUIREMENTS**

1. The owner or operator shall notify the District of any breakdown condition as soon as reasonably possible, but no later than one hour after its detection, unless the owner or operator demonstrates to the District's satisfaction that the longer reporting period was necessary. [District Rule 1100, 6.1; County Rules 110 (Fresno, Stanislaus, San Joaquin); 109 (Merced); 113 (Madera); and 111 (Kern, Tulare, Kings)], [Federally Enforceable Through Title V]
2. The District shall be notified in writing within ten days following the correction of any breakdown condition. The breakdown notification shall include a description of the equipment malfunction or failure, the date and cause of the initial failure, the estimated emissions in excess of those allowed, and the methods utilized to restore normal operations. [District Rule 1100, 7.0; County Rules 110 (Fresno, Stanislaus, San Joaquin); 109 (Merced); 113 (Madera); and 111 (Kern, Tulare, Kings)], [Federally Enforceable Through Title V]
3. The owner or operator of any stationary source operation that emits more than 25 tons per year of nitrogen oxides or reactive organic compounds, shall provide the District annually with a written statement in such form and at such time as the District prescribes, showing actual emissions of nitrogen oxides and reactive organic compounds from that source. [District Rule 1160, 5.0], [Federally Enforceable Through Title V]
4. Any person building, altering or replacing any operation, article, machine, equipment, or other contrivance, the use of which may cause the issuance of air contaminants or the use of which may eliminate, reduce, or control the issuance of air contaminants, shall first obtain an Authority to Construct (ATC) from the District unless exempted by District Rule 2020. [District Rule 2010, 3.0 and 4.0; 2020; and County Rule 201 (in all eight counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
5. The permittee must comply with all conditions of the permit including permit revisions originated by the District. All terms and conditions of a permit that are required pursuant to the Clean Air Act (CAA), including provisions to limit potential to emit, are enforceable by the EPA and Citizens under the CAA. Any permit noncompliance constitutes a violation of the CAA and the District Rules and Regulations, and is grounds for enforcement action, for permit termination, revocation, reopening and reissuance, or modification; or for denial of a permit renewal application. [District Rules 2070, 7.0; 2080; and 2520, 9.9.1 and 9.13.1], [Federally Enforceable Through Title V]
6. A Permit to Operate or an Authority to Construct shall not be transferred unless a new application is filed with and approved by the District. [District Rule 2031], [Federally Enforceable Through Title V]
7. Every application for a permit required under Rule 2010 (Permits Required) shall be filed in a manner and form prescribed by the District. [District Rule 2040], [Federally Enforceable Through Title V]
8. The operator shall maintain records of required monitoring that include: 1) the date, place, and time of sampling or measurement; 2) the date(s) analyses were performed; 3) the company or entity that performed the analysis; 4) the analytical techniques or methods used; 5) the results of such analysis; and 6) the operating conditions at the time of sampling or measurement. [District Rule 2520, 9.5.1], [Federally Enforceable Through Title V]
9. The operator shall retain records of all required monitoring data and support information for a period of at least 5 years from the date of the monitoring sample, measurement, or report. Support information includes copies of all reports required by the permit and, for continuous monitoring instrumentation, all calibration and maintenance records and all original strip-chart recordings. [District Rule 2520, 9.5.2], [Federally Enforceable Through Title V]
10. The operator shall submit reports of any required monitoring at least every six months unless a different frequency is required by an applicable requirement. All instances of deviations from permit requirements must be clearly identified in such reports. [District Rule 2520, 9.6.1], [Federally Enforceable Through Title V]
11. Deviations from permit conditions must be promptly reported, including deviations attributable to upset conditions, as defined in the permit. For the purpose of this condition, promptly means as soon as reasonably possible, but no later than 10 days after detection. The report shall include the probable cause of such deviations, and any corrective actions or preventive measures taken. All required reports must be certified by a responsible official consistent with section 10.0 of District Rule 2520. [District Rules 2520, 9.6.2 and 1100, 7.0], [Federally Enforceable Through Title V]
12. If for any reason a permit requirement or condition is being challenged for its constitutionality or validity by a court of competent jurisdiction, the outcome of such challenge shall not affect or invalidate the remainder of the conditions or requirements in that permit. [District Rule 2520, 9.8], [Federally Enforceable Through Title V]

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13. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of the permit. [District Rule 2520, 9.9.2], [Federally Enforceable Through Title V]
14. The permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance does not stay any permit condition. [District Rule 2520, 9.9.3], [Federally Enforceable Through Title V]
15. The permit does not convey any property rights of any sort, or any exclusive privilege. [District Rule 2520, 9.9.4], [Federally Enforceable Through Title V]
16. The Permittee shall furnish to the District, within a reasonable time, any information that the District may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the District copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to EPA along with a claim of confidentiality. [District Rule 2520, 9.9.5], [Federally Enforceable Through Title V]
17. The permittee shall pay annual permit fees and other applicable fees as prescribed in Regulation III of the District Rules and Regulations. [District Rule 2520, 9.10], [Federally Enforceable Through Title V]
18. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to enter the permittee's premises where a permitted source is located or emissions related activity is conducted, or where records must be kept under condition of the permit. [District Rule 2520, 9.14.2.1], [Federally Enforceable Through Title V]
19. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit. [District Rule 2520, 9.14.2.2], [Federally Enforceable Through Title V]
20. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to inspect at reasonable times any facilities, equipment, practices, or operations regulated or required under the permit. [District Rule 2520, 9.14.2.3], [Federally Enforceable Through Title V]
21. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with the permit or applicable requirements. [District Rule 2520, 9.14.2.4], [Federally Enforceable Through Title V]
22. No air contaminants shall be discharged into the atmosphere for a period or periods aggregating more than 3 minutes in any one hour which is as dark or darker than Ringelmann #1 or equivalent to 20% opacity and greater, unless specifically exempted by District Rule 4101, by using EPA method 9. If the equipment or operation is subject to a more stringent visible emission standard as prescribed in a permit condition, the more stringent visible emission limit shall supersede this condition. [District Rule 4101, and County Rules 401 (in all eight counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
23. No person shall supply, sell, solicit or apply any architectural coating, except specialty coatings, that contains more than 250 grams of VOC per liter of coating (less water and exempt compounds, and excluding any colorant added to tint bases), or manufacture, blend, or repackage such coating with more than 250 grams of VOC per liter (less water and exempt compounds, and excluding any colorant added to tint bases) for use within the District. [District Rule 4601, 5.1], [Federally Enforceable Through Title V]
24. No person shall apply, sell, solicit, or offer for sale any specialty architectural coating listed in the Table of Standards (District Rule 4601, Table 1), nor manufacture, blend, or repackage such coating for use within the District, which contains VOCs (less water and exempt compounds, excluding any colorant added to tint bases) in excess of the specified limits listed in Table 1 of Rule 4601. [District Rule 4601, 5.2], [Federally Enforceable Through Title V]
25. All VOC-containing materials shall be stored in closed containers when not in use. In use includes, but is not limited to: being accessed, filled, emptied, maintained or repaired. [District Rule 4601, 5.4], [Federally Enforceable Through Title V]
26. A person shall not use VOCs for the cleanup of spray equipment unless equipment for collection of the cleaning compounds and minimizing its evaporation to the atmosphere is used. [District Rule 4601, 5.5], [Federally Enforceable Through Title V]
27. The permittee shall comply with all the Labeling and Test Methods requirements outlined in Rule 4601 sections 6.1 and 6.2. [District Rule 4601, 6.1 and 6.2], [Federally Enforceable Through Title V]
28. With each report or document submitted under a permit requirement or a request for information by the District or EPA, the permittee shall include a certification of truth, accuracy, and completeness by a responsible official [District Rule 2520, 9.14.1 and 10.0], [Federally Enforceable Through Title V]
29. If the permittee performs maintenance on, or services, repairs, or disposes of appliances, the permittee shall comply with the standards for Recycling and Emissions Reduction pursuant to 40 CFR Part 82, Subpart F. [40 CFR 82 Subpart F], [Federally Enforceable Through Title V]
30. If the permittee performs service on motor vehicles when this service involves the ozone-depleting refrigerant in the motor vehicle air conditioner (MVAC), the permittee shall comply with the standards for Servicing of Motor Vehicle Air Conditioners pursuant to all the applicable requirements as specified in 40 CFR Part 82, Subpart B. [40 CFR Part 82, Subpart B], [Federally Enforceable Through Title V]

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31. Disturbances of soil related to any construction, demolition, excavation, extraction, or water mining activities shall comply with the requirements for fugitive dust control in SJVUAPCD District Rule 8020 unless specifically exempted under section 4 of Rule 8020. [District Rule 8020], [Federally Enforceable Through Title V]
32. Outdoor handling and storage of any bulk material which emits dust shall comply with the requirements of SJVUAPCD Rule 8030, unless specifically exempted under section 4 of Rule 8030. [District Rule 8030], [Federally Enforceable Through Title V]
33. Any paved road over 3 miles in length, and any unpaved roads over half a mile in length, constructed after December 10, 1993 shall use the design criteria and dust control measures of, and comply with the administrative requirements of, SJVUAPCD Rule 8060 unless specifically exempted under section 4 of Rule 8060. [District Rule 8060], [Federally Enforceable Through Title V]
34. Any owner or operator of a demolition or renovation activity, as defined in 40 CFR 61.141, shall comply with the applicable inspection, notification, removal, and disposal procedures for asbestos containing materials as specified in 40 CFR 61.145 (Standard for Demolition and Renovation). [40 CFR 61 Subpart M], [Federally Enforceable Through Title V]
35. The permittee shall submit certifications of compliance with the terms and standards contained in Title V permits, including emission limits, standards and work practices, to the District and the EPA annually (or more frequently as specified in an applicable requirement or as specified by the District). The certification shall include the identification of each permit term or condition, the compliance status, whether compliance was continuous or intermittent, the methods used for determining the compliance status, and any other facts required by the District to determine the compliance status of the source. [District Rule 2520, 9.17], [Federally Enforceable Through Title V]
36. The permittee shall submit an application for Title V permit renewal to the District at least six months, but not greater than 18 months, prior to the permit expiration date. [District Rule 2520, 5.2], [Federally Enforceable Through Title V]
37. When a term is not defined in a Title V permit condition, the definition in the rule cited as the origin and authority for the condition in a Title V permit shall apply. [District Rule 2520, 9.1.1], [Federally Enforceable Through Title V]
38. Compliance with permit conditions in the Title V permit shall be deemed in compliance with the following outdated SIP requirements: Rule 401 (Madera, Fresno, Kern, Kings, San Joaquin, Stanislaus, Tulare and Merced), Rule 110 (Fresno, Stanislaus, San Joaquin), Rule 109 (Merced), Rule 113 (Madera), Rule 111 (Kern, Tulare, Kings), Rules 201, 202, 203, 204, 208, and 209 (Fresno, Kern, Tulare, Kings, Madera, Stanislaus, Merced, San Joaquin), Rule 410.1 (Kern), and Rule 423 (Kern, Fresno, Stanislaus, San Joaquin). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
39. Compliance with permit conditions in the Title V permit shall be deemed in compliance with the following applicable requirements: SJVUAPCD Rules 1100, sections 6.1 and 7.0 (12/17/92); 2010, sections 3.0 and 4.0 (12/17/92); 2031 (12/17/92); 2040 (12/17/92); 2070, section 7.0 (12/17/92); 2080 (12/17/92); 4101 (12/17/92); 4601, sections 5.1, 5.2, 5.4, 5.5, 6.1, and 6.2 (12/17/92); 8020 (4/25/96); 8030 (4/25/96); 8060 (4/25/96). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
40. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

**Initial TV Permit**

**San Joaquin Valley**  
**Air Pollution Control District**

**PERMIT UNIT:** N-3233-1-1

**EXPIRATION DATE:** 11/30/2004

**EQUIPMENT DESCRIPTION:**

ONE (1) GENERAL ELECTRIC LM5000 PD AERO-DERIVATIVE 460 MMBTU/HR (HHV) GAS TURBINE ENGINE WITH STEAM INJECTION, OXIDIZATION CATALYST, AMMONIA INJECTION, AND SELECTIVE CATALYTIC REDUCTION SERVING A 49.9 MW ELECTRICAL GENERATOR

## **PERMIT UNIT REQUIREMENTS**

1. When operating on natural gas, the unit shall be fired exclusively on PUC-regulated natural gas which has a sulfur content of less than or equal to 0.017% by weight. When operating on liquid fuel, the unit shall be fired on low sulfur light distillate fuel with less than or equal to 0.05% sulfur by weight. [40 CFR 60.333(a) & (b); 60.332(a); Stanislaus Rule 407], [Federally Enforceable Through Title V]
2. Operator shall not discharge into the atmosphere combustion contaminants (PM) exceeding in concentration at the point of discharge, 0.1 gr/dscf. [District Rule 4201; Rule 404 (Stanislaus)], [Federally Enforceable Through Title V]
3. Reduced Load Period shall be defined as the time during which a gas turbine is operated at less than rated capacity in order to change the exhaust gas diverter gate not exceeding one hour. [District Rule 4703, 3.16]
4. Thermal Stabilization Period shall be defined as the start up or shut down time necessary to bring the heat recovery steam generator to proper temperature, not exceeding two hours. [District Rule 4703, 3.21]
5. If the turbine is fired on PUC-regulated natural gas, then maintain on file copies of natural gas bills. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
6. Compliance with permit conditions in the Title V permit shall be deemed in compliance with the following subsumed requirements: 40 CFR 60.333 (a) and (b); 60.334(a), (b), and (c)(1); Stanislaus Rules 404, 108 and 108.1; SJVUAPCD Rule 4703 (as amended 10/16/93), Section 6.2.2 and 1080, 7.3. A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
7. Compliance with permit conditions in the Title V permit shall be deemed in compliance with the following applicable requirements: SJVUAPCD Rules 4201, 1081 and 1080, Sections 6.5, 6.7, 7.2, 8.0, 9.0, and 10.0; Stanislaus Rule 407; 40 CFR 60.332(c) and (d); 60.334(b) and (c)(2); 60.335(d). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
8. Compliance with permit conditions in the Title V permit shall be deemed in compliance with the following applicable requirements: SJVUAPCD Rule 4703 (as amended 10/16/97) sections 5.1.1, 6.2.1, 6.2.4, 6.3, 6.4.1, 6.4.3, 6.4.5, and 6.4.6. A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
9. Compliance with permit conditions in the Title V permit shall be deemed in compliance with the following subsumed requirements: 40 CFR 60.332(a), (b); 60.335(a), (b), (c), and (e). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
10. A violation of NOx emission standards indicated by the NOx CEM shall be reported by the operator to the APCO within 96 hours. [Rule 108 Stanislaus and District Rule 1080, 9.0], [Federally Enforceable Through Title V]
11. Operator shall notify the APCO no later than eight hours after the detection of a breakdown of the CEM. Operator shall inform the APCO of the intent to shut down the CEM at least 24 hours prior to the event. [Stanislaus Rule 108 and District Rule 1080, 10.0], [Federally Enforceable Through Title V]
12. Operators of CEM's installed at the direction of the APCO shall submit a written report for each calendar quarter to the APCO. The report is due on the 30th day following the end of the calendar quarter and shall include: A. time intervals, data and magnitude of excess emissions, nature and cause of excess (if known), corrective actions taken and preventive measures adopted; B. averaging period used for data reporting corresponding to the averaging period specified in the emission test period used to determine compliance with an emission standard; C. applicable time and date of each period during which the CEM was inoperative (except for zero and span checks) and the nature of system repairs and adjustments; D. a negative declaration when no excess occurred. [Rule 108 (Stanislaus) and District Rule 1080, 8.0], [Federally Enforceable Through Title V]
13. Records shall be maintained and shall contain: the occurrence and duration of any start-up, shutdown or malfunction, performance testing, evaluations, calibrations, checks, adjustments, any periods during which a continuous monitoring system or monitoring device is inoperative, maintenance of any CEM's that have been installed pursuant to District Rule 1080, and emission measurements. [Stanislaus Rule 108; District Rule 1080, 7.3; 40 CFR 60.7 (b)], [Federally Enforceable Through Title V]
14. The Turbine and associated ancillary equipment must be properly maintained and kept in good operating condition at all times. [District NSR Rule], [Federally Enforceable Through Title V]

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15. The Turbine and associated ancillary equipment shall only be operated by personnel properly trained in its operation. [District NSR Rule], [Federally Enforceable Through Title V]
16. Natural gas; OGT; JP4; Jet A; Jet B; No. 1d; No. 1; 1GT; No. 2d; No. 2; and 2GT are the only fuels permitted for combustion in the Turbine. [District NSR Rule], [Federally Enforceable Through Title V]
17. The Turbine shall be equipped and operated with an Automatic Combustion Control System. [District NSR Rule], [Federally Enforceable Through Title V]
18. The Turbine shall not be operated unless the exhaust gas is subjected to the Oxidation (CO) Catalyst System and the Selective Catalytic Reduction (SCR) System prior to discharge to the atmosphere. [District NSR Rule], [Federally Enforceable Through Title V]
19. The CO Catalyst System and the SCR Systems must be in full use whenever the Turbine is in operation, except during start-up and shutdown periods. [District NSR Rule], [Federally Enforceable Through Title V]
20. The Ammonia Injection System must be utilized whenever the flue gas temperature at the inlet of the SCR System exceeds 550 degrees F, except during start up and shutdown. [District NSR Rule], [Federally Enforceable Through Title V]
21. The NOx emission concentration, measured as NO2, shall not exceed 3.5 ppmv, dry, corrected to 15% O2 when operating on natural gas; and 6.2 ppmv, dry, corrected to 15% O2 when operating on fuel oil, except for start-up or shut-down periods. [District NSR Rule], [Federally Enforceable Through Title V]
22. A visible emissions inspection shall be conducted after every 400 cumulative hours of operation on fuel oil. If a visible emissions inspection documents opacity, a method 9 evaluation shall be completed within three working days, or during the next period of operation if the unit ceases firing on fuel oil within the three working day period. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
23. The CO emission concentration, at maximum heat input capacity shall not exceed 16.0 ppmv, dry, corrected to 15% O2, when operating on Natural Gas, and 20.0 ppmv, dry, corrected to 15% O2, when operating on Fuel Oil, except for start-up and shut-down periods. [District NSR], [Federally Enforceable Through Title V]
24. The NMHC emission concentration, at maximum heat input capacity shall not exceed 0.000475% by weight, wet, while operating on Natural Gas and 0.000713% by weight, wet, while operating on Fuel Oil, except for start-up and shut-down periods. [District NSR Rule], [Federally Enforceable Through Title V]
25. The NH3 emission concentration shall not exceed 25.0 ppmv, dry, corrected to 15% O2. [District NSR Rule], [Federally Enforceable Through Title V]
26. Sampling facilities for source testing shall be provided in accordance with District Rule 1081, Source Sampling. [District Rule 1081], [Federally Enforceable Through Title V]
27. All concentrations of gaseous emissions must be expressed in parts per million, by volume, dry basis, corrected to 15% O2. [District NSR Rule], [Federally Enforceable Through Title V]
28. A complete laboratory analysis of Fuel Oil combusted during any source test shall be provided along with the source test results. Testing shall include, but not be limited to, an ultimate analysis of Fuel Oil & a full set of metals pursuant to AB2588. [District NSR Rule], [Federally Enforceable Through Title V]
29. Annual source testing shall include, but not be limited to, an analysis of the exhaust stream directly after the HRSG for: A. Flow rate; B. Oxides of Nitrogen; C. Carbon Monoxide; D. Hydrocarbons: Methane & Non-Methane, including saturated and unsaturated; E. Ammonia; F. Particulates (Fuel Oil only); G. Oxides of Sulfur (Fuel Oil only). [District NSR Rule], [Federally Enforceable Through Title V]
30. The operator shall provide source test information annually regarding the exhaust gas NOx concentration corrected to 15% O2 (dry). [40 CFR 60.332(a), (b) and District Rule 4703, 5.1], [Federally Enforceable Through Title V]
31. Annual source testing shall be performed at maximum heat input capacity. Annual source testing is required for Natural Gas only, unless Fuel Oil usage exceeds 200 hours per year. [District NSR Rule], [Federally Enforceable Through Title V]
32. Daily emissions for this unit may be determined by using the arithmetic mean of three, 40-minute test runs for NOx and CO, multiplied by the appropriate factor. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
33. The District must be notified of any source testing date at least 30 days in advance. A Source Test Plan outlining the source test methods, procedures & all operating parameters shall be submitted to the District for approval at least 15 days prior. [District Rule 1081; Stanislaus Rule 108.1], [Federally Enforceable Through Title V]
34. Nitrogen oxides (NOx) emissions shall be calculated using EPA Method 7E or 20, and oxygen (O2) emissions shall be calculated using EPA Method 3, 3A, or 20. [40 CFR 60.335(b) and District Rule 4703, 6.4], [Federally Enforceable Through Title V]
35. The contractor performing the source test must be CARB approved for the methods used. The results of the source testing shall be submitted to the District within 30 days of the testing date. [District NSR Rule], [Federally Enforceable Through Title V]

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36. A Continuous Monitoring System shall be installed and operated to measure and record the fuel consumption, the mass ratio of steam-to-fuel injected, the mass ratio of water-to-fuel injected into the Combustor, the flue gas temperature at the inlet of the SCR System, NO<sub>x</sub>, SO<sub>x</sub> (when firing on fuel oil), O<sub>2</sub> or CO<sub>2</sub> and CO emission concentration in the exhaust gas after the HRSG. [District NSR Rule], [Federally Enforceable Through Title V]
37. Operator shall install, operate and maintain in calibration a system which continuously measures and records; control system operating parameters, elapsed time of operation, the exhaust gas NO<sub>x</sub> and O<sub>2</sub> concentrations. [40 CFR 60.334(a),(b)], [Federally Enforceable Through Title V]
38. The Continuous Monitoring System shall convert the actual NO<sub>x</sub>, SO<sub>x</sub> (when firing on fuel oil), and CO concentrations to corrected concentrations at 15% O<sub>2</sub>, dry basis. The System shall also record the total lbs/day emissions of NO<sub>x</sub>, SO<sub>x</sub> (when firing on fuel oil), and CO. [District NSR Rule], [Federally Enforceable Through Title V]
39. Results of continuous emission monitoring must be averaged in accordance with the requirements of 40 CFR 60.13. Compliance with emission concentration limitations shall be determined on a three hour rolling average. [District Rules 4703, 5.0 and 1080, 7.2, 40 CFR 60.13, 40 CFR 60.334 (a), (b), (c) and Stanislaus Rule 108], [Federally Enforceable Through Title V]
40. Installation, calibration, and operation of all Continuous Monitoring Systems shall meet the performance specification requirements in 40 CFR 60, Appendix F and Part 60 Appendix B or shall meet equivalent specifications established by mutual agreement of the District, the ARB and the EPA. [Stanislaus Rule 108 and District Rule 1080, 6.7], [Federally Enforceable Through Title V]
41. The NO<sub>x</sub> emission rate shall not exceed 150.0 lbs/day. [District NSR Rule], [Federally Enforceable Through Title V]
42. The CO emission rate shall not exceed 550.0 lbs/day. [District NSR Rule], [Federally Enforceable Through Title V]
43. The NMHC emission rate shall not exceed 143.0 lbs/day while operating on Natural Gas and 143.4 lbs/day when operating on Fuel Oil. [District NSR Rule], [Federally Enforceable Through Title V]
44. The SO<sub>x</sub> emission rate shall not exceed 12.9 lbs/day while operating on Natural Gas and 150.0 lbs/day when operating on Fuel Oil. [District NSR Rule], [Federally Enforceable Through Title V]
45. The PM<sub>10</sub> emission rate shall not exceed 10.0 lbs/hr while operating on either Natural Gas or Fuel Oil. The PM<sub>10</sub> emission rate shall not exceed 74.4 lbs/day while operating on Natural Gas and 80.0 lbs/day when operating on Fuel Oil. [District NSR Rule], [Federally Enforceable Through Title V]
46. The sulfur content in the Fuel Oil shall not exceed 0.05%, by weight. Certification of the sulfur content in each Fuel Oil production lot purchased shall be obtained prior to use of the Fuel Oil. [District NSR Rule], [Federally Enforceable Through Title V]
47. Operator shall submit a semiannual report listing any daily period during which the sulfur content of the fuel being fired in the gas turbine exceeds 0.8% by weight. [40 CFR 60.334(c)(2)], [Federally Enforceable Through Title V]
48. The cold start-up period must not exceed two (2) hours in any one day, commencing at midnight. The shut-down period must not exceed two (2) hours in any one day, commencing at midnight. [District NSR Rule], [Federally Enforceable Through Title V]
49. The emissions during the start-up and shut-down periods must be counted towards the applicable daily emission limitations. [District NSR Rule], [Federally Enforceable Through Title V]
50. There shall be no visible emissions from the Turbine, except for uncombined water and except during periods of start-up and shutdown. [District NSR Rule], [Federally Enforceable Through Title V]
51. The permit holder shall maintain a daily record log which consists of the following: A. Date; B. Total operating time, including the duration of start-up & shut down periods; C. Type and quantity of fuel consumed; D. Steam-to-fuel ratios; E. Water-to-fuel ratios; F. Ammonia usage; G. Records from all continuous monitoring systems; H. Fuel Oil records; I. The actual local start-up and stop time; J. Length and reason for reduced load periods. [40 CFR 60.332(a),(b) and District Rule 4703, 6.2], [Federally Enforceable Through Title V]
52. This daily record log shall be made available to the Air Pollution Control Inspector upon request. All records shall be maintained for a minimum of five (5) years. [District Rules 2520, 9.5.2 and 4703, 6.2], [Federally Enforceable Through Title V]
53. The owners and operators of each affected source and each affected unit at the source shall: (i) Operate the unit in compliance with a complete Acid Rain permit application or a superceding Acid Rain permit issued by the permitting authority; and (ii) Have an Acid Rain permit. [40 CFR 72], [Federally Enforceable Through Title V]
54. The owners and operators and, to the extent applicable, designated representative of each affected source and each affected unit at the source shall comply with the monitoring requirements as provided in 40 CFR part 75. [40 CFR 75], [Federally Enforceable Through Title V]
55. The emissions measurements recorded and reported in accordance with 40 CFR part 75 shall be used to determine compliance by the unit with the Acid Rain emissions limitations and emissions reduction requirements for sulfur dioxide and nitrogen oxides under the Acid Rain Program. [40 CFR 75], [Federally Enforceable Through Title V]

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56. The owners and operators of each source and each affected unit at the source shall: (i) Hold allowances, as of the allowance transfer deadline, in the unit's compliance subaccount (after deductions under 40 CFR 73.34(c)) not less than the total annual emissions of sulfur dioxide for the previous calendar year from the unit; and (ii) Comply with the applicable Acid Rain emissions limitations for sulfur dioxide. [40 CFR 73], [Federally Enforceable Through Title V]
57. Each ton of sulfur dioxide emitted in excess of the Acid Rain emissions limitations for sulfur dioxide shall constitute a separate violation of the Act. [40 CFR 77], [Federally Enforceable Through Title V]
58. An affected unit shall be subject to the sulfur dioxide requirements starting on the later of January 1, 2000, or the deadline for monitoring certification under 40 CFR part 75, an affected unit under 40 CFR 72.6(a)(3) that is not a substitution or compensating unit. [40 CFR 72, 40 CFR 75], [Federally Enforceable Through Title V]
59. Allowances shall be held in, deducted from, or transferred among Allowance Tracking System accounts in accordance with the Acid Rain Program. [40 CFR 72], [Federally Enforceable Through Title V]
60. An allowance shall not be deducted in order to comply with the requirements under 40 CFR part 73, prior to the calendar year for which the allowance was allocated. [40 CFR 73], [Federally Enforceable Through Title V]
61. An allowance allocated by the Administrator under the Acid Rain Program is a limited authorization to emit sulfur dioxide in accordance with the Acid Rain Program. No provision of the Acid Rain Program, the Acid Rain permit application, the Acid Rain permit, or the written exemption under 40 CFR 72.7 and 72.8 and no provision of law shall be construed to limit the authority of the United States to terminate or limit such authorization. [40 CFR 72], [Federally Enforceable Through Title V]
62. An allowance allocated by the Administrator under the Acid Rain Program does not constitute a property right. [40 CFR 72], [Federally Enforceable Through Title V]
63. The owners and operators of each affected unit at the source shall comply with the applicable Acid Rain emissions limitation for nitrogen oxides. [40 CFR 72], [Federally Enforceable Through Title V]
64. The designated representative of an affected unit that has excess emissions in any calendar year shall submit a proposed offset plan, as required under 40 CFR part 77. [40 CFR 77], [Federally Enforceable Through Title V]
65. The owners and operators of an affected unit that has excess emissions in any calendar year shall: (i) Pay without demand the penalty required, and pay up on demand the interest on that penalty; and (ii) Comply with the terms of an approved offset plan, as required by 40 CFR part 77. [40 CFR 77], [Federally Enforceable Through Title V]
66. The owners and operators of the each affected unit at the source shall keep on site the following documents for a period of five years from the date the document is created. This period may be extended for cause, at any time prior to the end of five years, in writing by the Administrator or permitting authority: (i) The certificate of representation for the designated representative for the source and all documents that demonstrate the truth of the statements in the certificate of representation, in accordance with 40 CFR 72.24; provided that the certificate and documents shall be retained on site beyond such five-year period until such documents are superceded because of the submission of a new certificate of representation changing the designated representative. [40 CFR 72], [Federally Enforceable Through Title V]
67. The owners and operators of each affected unit at the source shall keep on site each of the following documents for a period of five years from the date the document is created. This period may be extended for cause, at any time prior to the end of five years, in writing by the Administrator or permitting authority; (ii) All emissions monitoring information, in accordance with 40 CFR part 75; (iii) Copies of all reports, compliance certifications and other submissions and all records made or required under the Acid Rain Program; (iv) Copies of all documents used to complete an Acid Rain permit application and any other submission that demonstrates compliance with the requirements of the Acid Rain Program. [40 CFR 75], [Federally Enforceable Through Title V]
68. The designated representative of an affected source and each affected unit at the source shall submit the reports and compliance certifications required under the Acid Rain Program, including those under 40 CFR 75 Subpart I. [40 CFR 75], [Federally Enforceable Through Title V]
69. Monitoring certification testing shall be conducted by November 14, 1999. [District Rule 2520, 9.4.2 and 40 CFR 75], [Federally Enforceable Through Title V]
70. An application for certification of the monitor shall be submitted by January 1, 2000. [District Rule 2520, 9.4.2 and 40 CFR 75], [Federally Enforceable Through Title V]

**Initial TV Permit**

**San Joaquin Valley**  
**Air Pollution Control District**

**PERMIT UNIT:** N-3233-2-1

**EXPIRATION DATE:** 11/30/2004

**EQUIPMENT DESCRIPTION:**

ONE (1) EACH FUEL OIL STORAGE TANK, 36' 0" DIAMETER X 40' 0" HEIGHT, 250,000 GALLON CAPACITY, INTERNAL FLOATING ROOF, PONTOON TYPE, PRIMARY & SECONDARY SEALS.

## **PERMIT UNIT REQUIREMENTS**

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1. The Storage Tank shall comply with all applicable provisions of District Rule 4623, Storage of Organic Liquids. [District Rule 4623], [Federally Enforceable Through Title V]
  2. The True Vapor Pressure (TVP) of any organic liquid stored in this tank shall not exceed 3.0 psia at 100 degrees F. TVP shall be determined as per Rule 4623, Section 6.2.2. [District Rule 4623], [Federally Enforceable Through Title V]
  3. The permit holder shall maintain a daily log which consists of the following: A. Date; B. Type of Organic Liquid stored; C. Quantity of Organic Liquid stored, in gallons; D. Throughput, in gallons. [District Rule 4623], [Federally Enforceable Through Title V]
  4. The permit holder shall maintain a daily log which consists of the following: E. Storage Temperature (degrees F); F. True Vapor Pressure at 100 degrees F (psia). [District Rule 4623], [Federally Enforceable Through Title V]
  5. Except as specified by paragraphs (a) and (b) of 40 CFR part 60, subpart Kb, section 60.116b, this storage vessel is exempt from the General Provisions (part 60, subparts A and Kb). [40 CFR 60], [Federally Enforceable Through Title V]
  6. The daily record log shall be made available to the Air Pollution Control Inspector upon request. All records shall be maintained for a minimum of five (5) years. [40 CFR 60, Subpart Kb, section 60.116b], [Federally Enforceable Through Title V]
  7. The owner and operator of each storage vessel shall keep, for the life of the source, readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel. [40 CFR 60, subpart Kb, section 60.116b], [Federally Enforceable Through Title V]
  8. The daily VOC emission rate shall not exceed 3.3 pounds. [District NSR Rule], [Federally Enforceable Through Title V]

**Initial TV Permit**

**San Joaquin Valley**  
**Air Pollution Control District**

**PERMIT UNIT:** N-3233-3-1

**EXPIRATION DATE:** 11/30/2004

**EQUIPMENT DESCRIPTION:**

ONE (1) EACH FUEL OIL STORAGE TANK, 36' 0" DIAMETER X 40' 0" HEIGHT, 250,000 GALLON CAPACITY, INTERNAL FLOATING ROOF, PONTOON TYPE, PRIMARY & SECONDARY SEALS.

**PERMIT UNIT REQUIREMENTS**

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1. The Storage Tank shall comply with all applicable provisions of District Rule 4623, Storage of Organic Liquids. [District Rule 4623], [Federally Enforceable Through Title V]
  2. The True Vapor Pressure (TVP) of any organic liquid stored in this tank shall not exceed 3.0 psia at 100 degrees F. TVP shall be determined as per Rule 4623, Section 6.2.2. [District Rule 4623], [Federally Enforceable Through Title V]
  3. The permit holder shall maintain a daily log which consists of the following: A. Date; B. Type of Organic Liquid stored; C. Quantity of Organic Liquid stored, in gallons; D. Throughput, in gallons. [District Rule 4623], [Federally Enforceable Through Title V]
  4. The permit holder shall maintain a daily log which consists of the following: E. Storage Temperature (degrees F); F. True Vapor Pressure at 100 degrees F (psia). [District Rule 4623], [Federally Enforceable Through Title V]
  5. Except as specified by paragraphs (a) and (b) of 40 CFR part 60, subpart Kb, section 60.116b, this storage vessel is exempt from the General Provisions (part 60, subparts A and Kb). [40 CFR 60], [Federally Enforceable Through Title V]
  6. The daily record log shall be made available to the Air Pollution Control Inspector upon request. All records shall be maintained for a minimum of five (5) years. [40 CFR 60, Subpart Kb, section 60.116b], [Federally Enforceable Through Title V]
  7. The owner and operator of each storage vessel shall keep, for the life of the source, readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel. [40 CFR 60, subpart Kb, section 60.116b], [Federally Enforceable Through Title V]
  8. The daily VOC emission rate shall not exceed 3.3 pounds. [District NSR Rule], [Federally Enforceable Through Title V]

## Initial TV Permit